

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

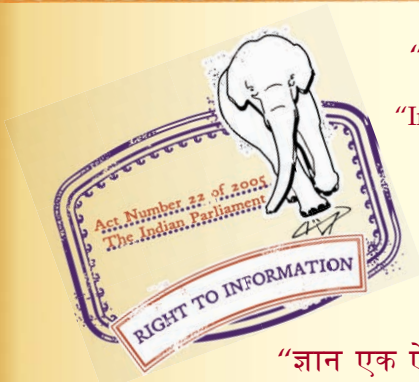
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 2613 (1975): Cotton Drill (non-waterproofed) for Umbrellas [TXD 31: Man-Made Fibres, Cotton and their Products]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard
**SPECIFICATION FOR
 COTTON DRILL (NON-WATERPROOFED)
 FOR UMBRELLAS**

(First Revision)

1. Scope — Prescribes the requirements of cotton drill (non-waterproofed) used in the manufacture of umbrellas.

2. Manufacture — The cloth shall be even and firmly woven employing 2/1 twill weave. The selvages shall be woven in rib or plain weave. The selvages shall be strong and uniform and shall be not less than 20 mm in width. The cloth shall be calendered. The dyed cloth shall be dyed to the required shade using vat dyes or dyes possessing equal fastness properties. The dyed fabric shall be free from stains, streaks patches, etc.

3. Requirement — As given in Tables 1 and 2.

TABLE 1 PHYSICAL REQUIREMENTS OF COTTON DRILL (NON-WATERPROOFED) FOR UMBRELLAS

Sl No.	Count of Yarn (Approx)		Threads/cm, Min		Mass, Min g/m ²	Breaking Load on 5.0×20 cm Strips, Min	
	Warp	Welt	Ends	Picks		Warp N*	Welt N*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
i)	18s (or 32 tex)	28s (or 21 tex)	33	20	195	647	333
ii)	18s (or 32 tex)	18s (or 32 tex)	33	21	205	686	333
iii)	32s (or 18 tex)	24s (or 25 tex)	41	31	150	647	402

Methods of Test —

IS : 1963-1969† IS : 1964-1970‡ IS : 1969-1968§

* 1 N is approximately equal to 0.102 kgf.

† Methods for determination of threads per decimetre in woven fabrics (first revision).

‡ Methods for determination of weight per square metre and weight per linear metre of fabrics (first revision).

§ Method for determination of breaking load and elongation at break of woven textile fabrics (first revision).

4. Marking — The cloth shall be marked with the following:

- Name of the material;
- Manufacturer's name, initials or trade-mark; and
- Month and year of manufacture.

4.1 Certification Marking — Details available with the Bureau of Indian Standards.

5. Packing — Unless otherwise specified, the cloth shall be packed in conformity with the procedure laid down in IS : 1347-1972 ' Specification for inland packaging of cotton cloth and yarn (first revision) ' or IS : 293-1967 ' Specification for seaworthy packaging of cotton cloth and yarn (second revision) '.

Adopted 10 November 1975

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TABLE 2 CHEMICAL REQUIREMENTS FOR COTTON DRILL (NON-WATERPROOFED) FOR UMBRELLAS
(Clause 3)

SI No.	Characteristic	Requirement	Method of Test
(1)	(2)	(3)	(4)
i)	Scouring loss; percent by mass, <i>Max</i>	2	Appendix A of IS : 863-1969*
ii)	pH value	Between 6 and 8.5	IS : 1390-1961†
iii)	Shrinkage or elongation, warpway and weltway percent, <i>Max</i>	2.5	IS : 2977-1964‡
iv)	Colour fastness to:		
	a) Light	6 or better for full black shades } 5 or better for other shades }	IS : 2454-1967§
	b) Water	4 or better	IS : 767-1956
v)	Width (see Note)	As agreed + 1 cm - 0.5 cm	6 of IS : 1954-1969¶
vi)	Length	As agreed	5 of IS : 1954-1969¶

Note — The usual widths of the cloth are 55, 65, 90 and 112 cm.

- * Specification for handloom cotton bandage cloth (*first revision*).
- † Methods for determination of pH value of aqueous extracts of textile materials.
- ‡ Method for determination of dimensional changes of woven fabrics (other than wool) on soaking in water.
- § Method for determination of colour fastness of textile materials to artificial light (xenon lamp).
- || Method for determination of colour fastness of textile materials to water.
- ¶ Method for determination of length and width of fabrics (*first revision*).

6. Sampling

6.1 For Ends, Picks, Mass and Breaking Load — As given in IS : 3919-1966 ' Methods for sampling cotton fabrics for determination of physical characteristics '.

6.2 For pH Value, Shrinkage/Elongation and Colour Fastness — As given in IS : 5463-1969 ' Methods of sampling of cotton fabrics for chemical tests '.

AMENDMENT NO. 1 JANUARY 1978
TO
IS:2613-1975 SPECIFICATION FOR COTTON
DRILL (NON-WATERPROOFED)
FOR UMBRELLAS

(First Revision)

Alterations

(Page 2, clause 6.1, heading) - Substitute 'For Ends, Picks, Mass, Breaking Load, Width and Length' for 'For Ends, Picks, Mass and Breaking Load'.

(Page 2, clause 6.2, heading) - Substitute 'For pH Value, Shrinkage/Elongation, Colour Fastness and Scouring Loss' for 'For pH Value, Shrinkage/Elongation and Colour Fastness'.

(TDC 2)